

Thinking Like a Scientist Notes Review

Name: _____ Date: _____

Table: _____ Section: _____

Learning Target: Describe the skills needed by scientists to be successful & and describe the steps of the scientific method that these skills are use with.

1. Identify and describe two types of observation.
2. How are predictions and inferences similar? How are they different?
3. Why do scientists make models? Give an example.
4. Identify and describe 7 steps of the Scientific Method.
5. What is the difference between a scientific theory and a scientific law?

Performance Task:

OBSERVATION: A wasp colony persistently builds nests right underneath the front door frame at my house. I have removed the nests numerous times only to find the wasps rebuilding them the next day.

HYPOTHESIS:

DESIGN AN EXPERIMENT TO TEST THE HYPOTHESIS:

OBSERVATION: Every day when I feed my bird, I notice that the food container at the bottom of the cage is always left untouched. On the other hand, the food container attached to the top side of the cage next to his perch is always empty.

HYPOTHESIS:

DESIGN AN EXPERIMENT TO TEST THE HYPOTHESIS: